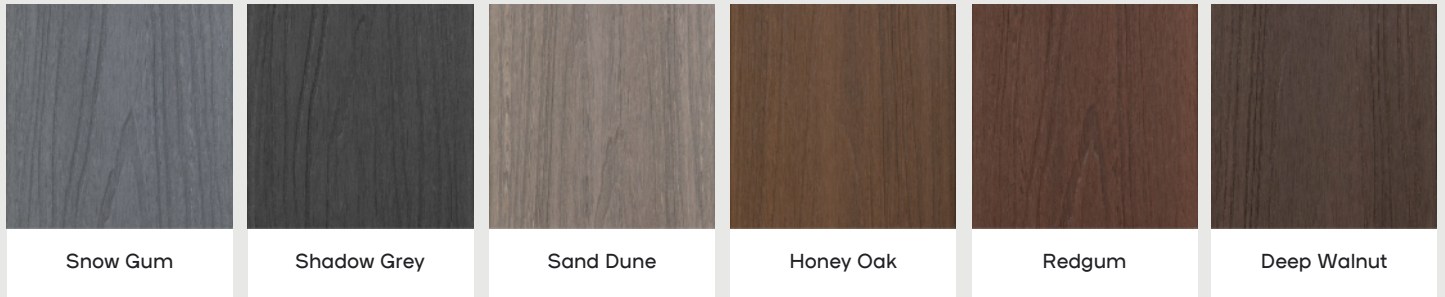


Ekodeck® Decking / Flame Fighter

TECHNICAL SPECIFICATIONS

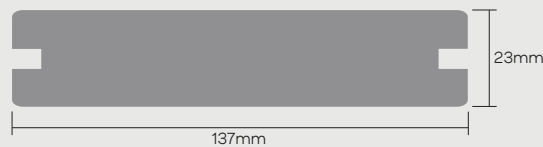


Colours



Decking Boards

COLOUR	SIZE	ITEM NO	PROFILE
Snow Gum	137×23×5400mm	0123641	
Shadow Grey	137×23×5400mm	0123641	
Sand Dune	137×23×5400mm	0123642	
Honey Oak	137×23×5400mm	0123642	
Redgum	137×23×5400mm	0123643	
Deep Walnut	137×23×5400mm	0123643	



TEST	STANDARD	RESULT
Structural Design: Concentrated Loads & Spans*	AS/NZS1170.0:2002	Domestic and residential activities up to 1.8kN = Max. 450mm span (centre to centre)* Non-residential activities up to 2.7kN (but including residential stairs and landings) = Max. 400mm span (centre to centre)*
Bushfire Rating (BAL)	AS1530.8.1:2018 & AS1530.4:2014	Bushfire Attack Level (BAL) - 29
Weight	-	3.64kg/m (19.66kg per 5.4m length)
Water Absorption	ASTM D570-98	0.63%
UV Resistance	ASTM G154, or EN 15534-1:2014 Section 8.1	600h, Grey Level ≥ 3

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TEST	STANDARD	RESULT
Weathering Test	ISO 4892-2:2013 cycle 1	After 720-hour test, there was slight colour change. E*=0.58, Grey scale 4-5
Slip Resistance	1. AS4586:2013 Oil-wet inclining platform method 2. AS4586-2013 Wet pendulum test method	1. R10 2. P5
Luminance Reflectance Value (LRV)	AS 1428.1-2009 Appendix B (also compliant with AS/NZS 1428.4.1-2009)	Snow Gum Shadow Grey Honey Oak Sand Dune Redgum Deep Walnut
		In Dry: 14.33 In Dry: 8.31 In Dry: 13.30 In Dry: 18.29 In Dry: 9.07 In Dry: 8.30
		In Wet: 12.99 In Wet: 6.14 In Wet: 10.32 In Wet: 15.53 In Wet: 7.38 In Wet: 6.46
Mould Resistance	ISO 16869:2008 Plastic Assessment of the effectiveness of fungistatic compounds in plastic formulations	0 (no growth)
Coefficient of Linear Thermal Expansion	ASTM D696-08	3.19×10 ⁻⁵ cm/cm/°C
Density	ASTM D792-13 Method B	1.19g/cm ³
Shore Hardness	ASTM D2240-05(2010)	D/70/1
Izod Unnotched Impact Strength	ASTM D4812-11	88 J/m C (Complete break)
Resistance to Indentation	BS EN15534-1:2014 + A1: 2017 Section 7.5 EN15534-4: 2014 Section 4.5.7	Brinell hardness: 72 Mpa Rate of elastic recovery: 72%
Falling Mass Impact Resistance	BS EN15534-1:2014 + A1: 2017 Section 7.1.2.1 EN15534-4: 2014 Section 4.5.1	Type: Solid profile max/crack length (mm): no crack Max. Residual indentation (mm) 0.8
Abrasion/Wear Resistance	ASTM D4060-14	Mass/Weight loss, 40.5mg
Reach	EU Reach Regulation N01907/2006 Article 33(1) Obligation to provide information of safe use	PASS
Toxicity (ROHS: Elementary Analysis and Flame Retardants)	IEC 62321-5:2013, determination of Cadmium by ICP-OES	Cadium (Cd): 2
	IEC 62321-5:201 3, determination of Lead by ICP-OES	Lead (Pb): 14
	IEC 62321-4:201 3, determination of Mercury by ICP-OES	Mercury (Hg): Not detected
	IEC 62321:2008, determination of Hexavalent Chromium by colourimetric method using UV-Vis	Hexavalent Chromium (CrVI): Not detected
	IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS	Sum of PBBs: Not detected

*See Engineering Evaluation Certificate for more information